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XRAM Acc no: C1987-066337

PVC compsn. contains organo-polysiloxane block or statistical polymer - having omega-hydroxy-alkyl-siloxy gps. added as defoamer or lubricant

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Patent Family: 4 patents, 14 countries

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 225261	A	19870610	EP 1986420262	A	19861023	198723	B
FR 2589476	A	19870507	FR 198516334	A	19851030	198724	E
JP 62106943	A	19870518	JP 1986253897	A	19861027	198725	E
JP 1988043423	B	19880830				198838	E

Priority Applications (no., kind, date): FR 198516334 A 19851030

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 225261	A	FR	13	0	
Regional Designated States,Original	AT BE CH DE ES FR GB GR IT LI LU NL SE				

Alerting Abstract EP A

The compsns. contain, per 100pts. PVC, 0.001-2, partic. 0.005-1 pt. at least one polyorganosiloxane (I) block or statistical polymer of average formula (I) R = Me or Ph, at least 60 mol % being Me; R1 = linear or branched 1-18C alkylene hydrocarbon gp.; p = 1-30; q = 1-100. (I) has no. average mol. wt. 600-10,000. R1 = trimethylene or 2-methyltrimethylene, R = Me, p = 2-20 and q = 2-30. Compsn. is PVC plastisol or rigid or plasticised PVC.

USE/ADVANTAGE - (I) as defoaming agent and/or lubricant for PVC plastiols or rigid or plasticised PVC (claimed). (I) does not exude and is not readily deposited in moulding machine, avoiding need for cleaning to prevent thermal decomposition of deposits; weldability of compsn. is unaffected.

I. Original Publication Data by Authority

Original Abstracts:

Polyvinyl chloride composition comprising, per 100 parts of PVC resin, from 0.001 to 2 parts, preferably from 0.005 to 1 part of at least one polyorganosiloxane of average formula (1):
(formula 01)

in which the radicals R, which are identical or different, are chosen from methyl and phenyl radicals, at least 60 mol% of the radicals R being methyl radicals, the radical R' is a linear or branched divalent hydrocarbon alkylene chain unit containing from 1 to 18 carbon atoms, p is an integer between 1 and 30, q between 1 and 100.

Application to the debubbling of PVC plastisol and to the lubrication of rigid PVC and of plasticised PVC.

Basic Derwent Week: 198723

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